

Bergen County



BERGEN

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Allendale Borough Water Department Well Field Contamination

New Street

Allendale Borough

Bergen County

BLOCK: 21.01 **LOT:** 4

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Well Field
OPERATION STATUS: Unknown Source

PROPERTY SIZE: 10 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Confirmed

FUNDING SOURCES

Corporate Business Tax

AMOUNT AUTHORIZED

\$456,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Allendale Water Department has taken three of its five municipal supply wells out of regular service due to the presence of volatile organic compounds above New Jersey Drinking Water Levels. Two of the municipal supply wells were closed in the early 1980s, and contamination was first detected in the third well in 1992. The primary contaminant of concern in all three wells is tetrachloroethylene (also known as perchloroethylene, or PCE) and the source of the contamination is unknown. The Allendale Water Department has installed a temporary treatment system on the third well but uses the well only when it is necessary to meet peak seasonal demand.

In 1996, NJDEP Bureau of Safe Drinking Water notified Allendale Borough that it must either install permanent treatment systems on the contaminated wells or abandon the wells and obtain supplemental water supply from another source. NJDEP's Division of Publicly Funded Site Remediation is conducting a water supply alternatives analysis to determine the most appropriate long-term solution to address the contaminated wells. The water supply alternatives analysis is scheduled to be completed in late 1998. NJDEP plans to conduct a preliminary investigation and site assessment to determine the source of the ground water contamination.

PROJECT NAME

RI/FS

DESIGN

CONSTR

O&M

Sitewide

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☐ Planned

☒ Underway

☐ Completed

☐ Not Required

Amoco Service Station Garfield City

45 Monroe Street

Garfield City

Bergen County

BLOCK: 54 **LOT:** 9

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Gas Station
OPERATION STATUS: Active

PROPERTY SIZE: 0.5 Acre

SURROUNDING LAND USE: Residential/Industrial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Delineating

Soil

Volatile Organic Compounds

Delineating

FUNDING SOURCES

1986 Bond Fund


















AMOUNT AUTHORIZED

\$407,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

A leaking underground storage tank at this gas station resulted in on-site and off-site soil and ground water contamination. The problem was discovered in 1993 after a plume of contaminated ground water migrated to a nearby 13-unit apartment building and caused gasoline fumes to build up in the basement of the building. The fumes created fire and explosion hazards which prompted local officials to evacuate the apartment building. Shortly thereafter, NJDEP issued a Field Directive which required the gas station owner to address the leaking underground storage tank and the contaminated soil and ground water. The gas station owner excavated and disposed of the leaking underground storage tank and performed some remedial investigation work but left the contaminated soil in place.

In 1993, NJDEP placed a ventilation system in the basement of the apartment building, installed a perimeter soil vapor extraction system to remove the gasoline contamination from the soil adjacent to the building, and installed ground water monitor wells to track the movement of the contaminant plume. Approximately 930 gallons of gasoline were recovered by the soil vapor extraction system as of June 1998. NJDEP is conducting a Remedial Investigation and Remedial Action Selection (RI/RAS) to determine the extent of the contamination at the gas station, apartment building and the area between these properties and evaluate cleanup alternatives. NJDEP expects to issue a Decision Document outlining the final remedial actions to address soil and ground water contamination at the gas station in 1999. The Decision Document will also outline future soil and ground water investigation work at the apartment building and the adjacent Cambridge Avenue, and investigation of the ground water at off-site areas.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
UST Removal					 Planned
Off-Site Vapor Recovery System					 Underway
Sitewide					 Completed
					 Not Required

Burning Hollow Road Ground Water Contamination

Burning Hollow, Stone Wall and Cameron Roads

Saddle River Borough

Bergen County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Tetrachloroethylene
Trichloroethylene

STATUS

Confirmed

Potable Water

Tetrachloroethylene
Trichloroethylene

Treating

FUNDING SOURCES



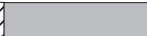





Spill Fund

AMOUNT AUTHORIZED

\$58,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Seventeen private wells within this residential development are contaminated with volatile organic compounds. The contamination was first detected in 1995 by a resident. NJDEP installed Point-of-Entry Treatment (POET) water filtration systems in the affected homes later that year to provide potable water for these residents, and delineated the Currently Known Extent (CKE) of the contamination. The CKE encompasses the 17 wells with confirmed contamination exceeding New Jersey Drinking Water Standards and those wells in the immediate area. A total of 35 single family homes and 20 town homes are included in the CKE. A source of the contamination has not been determined. NJDEP completed a water supply alternatives analysis that concluded that the most cost-effective long-term remedy is the continued use of POETs in the affected homes. NJDEP is monitoring and maintaining the POETs to ensure that the units continue to operate effectively.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
					 Underway
					 Completed
					 Not Required

Grant Industries

125 Main Street

Elmwood Park

Bergen County

BLOCK: 804 **LOT:** 6

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Industrial/Chemical
OPERATION STATUS: Active

PROPERTY SIZE: 1 Acre

SURROUNDING LAND USE: Residential/Industrial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Delineating

Soil

Volatile Organic Compounds

Delineating

FUNDING SOURCES

Spill Fund

1986 Bond Fund

AMOUNT AUTHORIZED

\$301,000

\$295,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Grant Industries has operated a chemical manufacturing plant at this site since 1967. Numerous incidents of chemical spills and discharges were documented to have occurred at the facility from the mid-1970s to the early 1990s. High levels of volatile organic compounds have been detected in the soil and ground water, suggesting that the facility may be partly responsible for contamination of the Garfield municipal well field located approximately 1,000 feet away. The Garfield Water Department installed a treatment system at the well field so that the contaminated wells can continue to be used for public water supply. In 1994, NJDEP initiated a Remedial Investigation and Remedial Action Selection (RI/RAS) to determine the nature and extent of contamination at the site, identify cleanup alternatives, and evaluate the facility's possible role in the contamination of the Garfield well field. NJDEP expects to complete the RI/RAS in late 1998.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M
Sitewide				

- ☐ Planned
- ☒ Underway
- ☐ Completed
- ☐ Not Required

Industrial Latex

350 Mount Pleasant Avenue

Wallington Borough

Bergen County

BLOCK: 70 **LOT:** 80

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Manufacturing—Chemicals
OPERATION STATUS: Inactive

PROPERTY SIZE: 10 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Further Delineation Required

Soil

Polychlorinated Biphenyls (PCBs)
Volatile Organic Compounds
Semi-Volatile Organic Compounds

Delineated

FUNDING SOURCES

Superfund
Spill Fund
1986 Bond Fund

AMOUNT AUTHORIZED

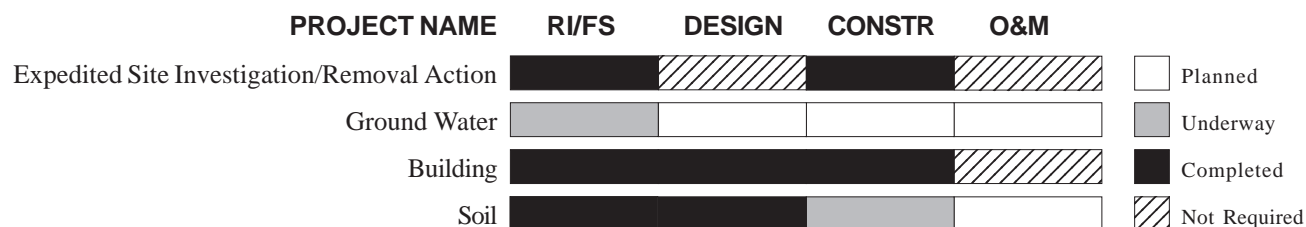
\$27,856,000
\$14,000
\$1,650,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Industrial Latex manufactured chemical adhesives and natural and synthetic rubber compounds at this facility from 1951 to 1980. Poor operational procedures and on-site waste disposal practices resulted in widespread areas of surface and subsurface soil contamination. The company also allegedly disposed of chemical wastes in the plant's septic systems. Prompted by numerous complaints from local officials about the misuse of solvents and the dumping of trash and chemicals on the property, NJDEP conducted an inspection of the site in 1980 and found approximately 250 leaking drums of various chemical compounds. NJDEP conducted a second site inspection in 1983 and discovered approximately 1,600 drums that were open or leaking. USEPA removed about 100,000 gallons of contaminated liquid wastes and approximately 16,000 gallons of PCB-contaminated wastes for treatment at an off-site facility in 1986, and in 1987 completed the removal of an additional 1,400 drums and 22 underground storage tanks.

In 1988, USEPA initiated a Remedial Investigation/Feasibility Study (RI/FS) to determine the nature and extent of the contamination in the soil and ground water at the site and identify cleanup alternatives. The site was added to the National Priorities List of Superfund sites the following year. In 1992, after completing the investigation of the site structures and soils, USEPA issued a Record of Decision (ROD) that required the demolition and off-site disposal of the buildings and chemical vats, and treatment and on-site disposal of PCB-contaminated soils. Under the planned remedial action, the contaminated soil will be treated at on site using low temperature thermal desorption. NJDEP subsequently concurred with the ROD. The demolition of the buildings was completed in 1995; however, remediation of the soil has been delayed until federal funds become available in the Superfund program.

USEPA completed a Phase I ground water investigation in 1991 as part of the RI/FS, but the results were inconclusive. A Phase II investigation was initiated in 1995 to further delineate the ground water contamination. USEPA will address the appropriate remedial actions for the ground water in a future ROD.



Lodi Municipal Well Field Contamination

Various Locations

Lodi Borough

Bergen County

BLOCK: Various **LOT:** Various

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Municipal Wells
OPERATION STATUS: Ceased

PROPERTY SIZE: 4 Square Miles

SURROUNDING LAND USE: Residential/Industrial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Radium
Thorium
Uranium
Volatile Organic Compounds

STATUS

Delineated

Potable Water

Radium
Thorium
Uranium
Volatile Organic Compounds

Alternate Water Supply
Provided

FUNDING SOURCES









Superfund

AMOUNT AUTHORIZED

\$2,189,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site consists of 11 municipal supply wells that were contaminated with high levels of volatile organic compounds, one of which also contained radiological contamination. The contamination resulted in the closure of all the wells by 1987. The Hackensack Water Company and the Passaic Valley Water Company are now supplying Lodi Borough with potable water. The site was placed on the National Priorities List of Superfund sites (NPL) in 1990. USEPA completed a Remedial Investigation and Feasibility Study (RI/FS) in 1993 and issued a "No Action" Record of Decision (ROD) based on the conclusion that the radiological contamination is naturally occurring. Several NJDEP and academic experts in the radiation field have reviewed the data collected by USEPA and have agreed that the contamination is naturally occurring. It was also determined that the volatile organic contamination is a regional problem and therefore will not be addressed as part of this site. USEPA is preparing to delete this site from the NPL.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Sitewide					 Planned
					 Underway
					 Completed
					 Not Required

Stor Dynamics Corporation

99 Main Avenue

Elmwood Park Borough

Bergen County

BLOCK: 3 **LOT:** 93

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Manufacturing-Metal Products
OPERATION STATUS: Ceased

PROPERTY SIZE: 1 Acre

SURROUNDING LAND USE: Residential/Industrial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Delineating

Soil

Volatile Organic Compounds

Delineating

FUNDING SOURCES

Spill Fund
1986 Bond Fund



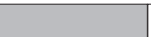


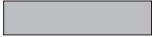






AMOUNT AUTHORIZED

\$283,000
\$614,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Stor Dynamics manufactured industrial shelving units and conveyor systems at this site from 1965 to 1989. High levels of volatile organic compounds have been detected in soil and ground water at the site, suggesting that Stor Dynamics may be partly responsible for the contamination of the Garfield municipal well field located approximately 1,000 feet away. The Garfield Water Department installed a water treatment system at the well field so that the contaminated wells can continue to be used for public water supply.

Between 1985 and 1990, Stor Dynamics conducted several remedial measures to partially address the contamination at its property. These included excavating and disposing of a 2,000 gallon underground gasoline storage tank and some contaminated surface soils. However, Stor Dynamics declared bankruptcy in 1990 before the full extent of the contamination could be determined and properly addressed. In 1994, NJDEP initiated a Remedial Investigation and Remedial Action Selection (RI/RAS) to determine the nature and extent of the contamination at the site, identify cleanup alternatives and evaluate the facility's possible role in the contamination of the Garfield well field. The RI/RAS is expected to be complete in late 1998. In addition to the RI/RAS work, NJDEP is designing a recovery system to remove the non-dissolved (free product) solvents from the water table at the site. The free product recovery system is expected to be operational in mid-1999.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Free Product Recovery					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

